

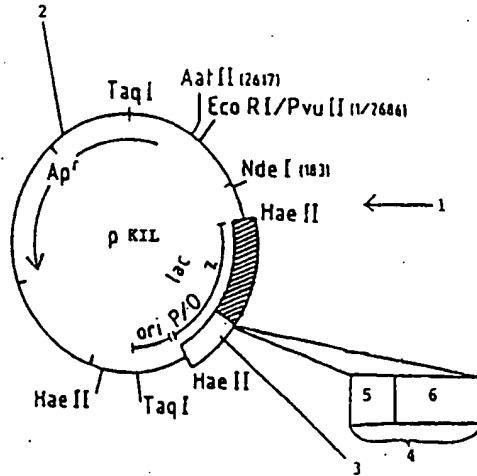


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(54) Title: CLONING AND/OR SEQUENCING VECTOR

(54) Titre: VECTEUR DE CLONAGE ET/OU DE SEQUENÇAGE



(57) Abstract

A cloning and/or sequencing vector (1) comprises, incorporated in an autonomous replication vector (2), at least one nucleotide promoter sequence (3) and at least one nucleotide sequence (4) coding for a fusion protein active as a poison. Said nucleotide sequence (4) is obtained by fusion of a coding nucleotide sequence (5), comprising several unique cloning sites and a nucleotide sequence (6) coding for a poison protein. The vector host cell of the invention is also disclosed.

(57) Abrégé

La présente invention concerne un vecteur de clonage et/ou de séquençage (1) comprenant incorporé dans un vecteur à réplication autonome (2), au moins une séquence nucléotidique promotrice (3) et au moins une séquence nucléotidique (4) codant pour une protéine de fusion active en tant que poison; ladite séquence nucléotidique (4) étant obtenue par la fusion d'une séquence nucléotidique codante (5), comprenant plusieurs sites uniques de clonage et d'une séquence nucléotidique (6) codant pour une protéine poison. La présente invention concerne également la cellule hôte du vecteur selon l'invention.

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A. CLASSIFICATION OF SUBJECT MATTER IPC 5 C12N15/64 C12N15/70 C12N1/21 // (C12N1/21, C12R1:19)		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC 5 C12N		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MOLECULAR & GENERAL GENETICS vol. 226, no. 1/2 , April 1991 , SPRINGER INTERNATIONAL, NEW YORK, US; pages 297 - 304 P. BERNARD AND M. COUTURIER 'The 41 carboxy-terminal residues of the minIF plasmid CcdA protein are sufficient to antagonize the killer activity of the CcdB protein' cited in the application see page 299, right column, line 1 - page 302, right column, line 14 ---	1, 3-5, 7, 10
Y	-/-	6, 8, 9, 11-17
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		<input type="checkbox"/> Patent family members are listed in annex.
<p>* Special categories of cited documents :</p> <ul style="list-style-type: none"> *'A' document defining the general state of the art which is not considered to be of particular relevance *'E' earlier document but published on or after the international filing date *'L' document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *'O' document referring to an oral disclosure, use, exhibition or other means *'P' document published prior to the international filing date but later than the priority date claimed <p>T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>*'&' document member of the same patent family</p>		
Date of the actual completion of the international search 13 January 1994	Date of mailing of the international search report 14.02.94	
Name and mailing address of the ISA European Patent Office, P.O. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 cpo nl. Fax (+31-70) 340-3016	Authorized officer HORNIG, H	

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Y	GENE vol. 42, no. 3 , 1986 , ELSEVIER PUBLISHERS, N.Y., U.S.; pages 345 - 349 B. HENRICH AND R. PLAPP 'Use of the lysis gene of bacteriophage PhiX174 for the construction of a positive selection vector' cited in the application see page 345, left column, line 1 - page 346, left column, line 15 ---	6,8,9, 11-17
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C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,Y	J. MOL. BIOL. vol. 226, no. 3 , 5 August 1992 , ACADEMIC PRESS LIMITED, LONDON, UK; pages 735 - 745 P. BERNARD AND M. COUTURIER 'Cell killing by the F plasmid CcdB protein involves poisoning of DNA-topoisomeraseII complexes' see page 737, line 1 - page 741, line 29	6,8,9, 11-17

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